

ABSTRACT

A color image processing apparatus performs color image display using a red display, green display, blue display and white display. The apparatus includes a white signal generation circuit generating a white signal W based on an input red signal R_{in} for the red display, an input green signal G_{in} for the green display, and an input blue signal B_{in} for the blue display, a yellow signal generation circuit generating a yellow signal Y_e , based on the input red signal R_{in} , the input green signal G_{in} , and the generated white signal W , and a first output white signal generation circuit generating a first output white signal $W_{out}^{(1)}$ for the white display, based on the generated white signal W and the generated yellow signal Y_e .